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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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01/23/02

Applicant : Ryuji NAKATA  
Serial No. : Not yet known  
Filed : Concurrently herewith  
For : SOLID POLYMERIC LUBRICANT  
COMPOSITION AND POLYMERIC  
LUBRICANT PACKED ROLLING BEARING

Assistant Commissioner for Patents  
Washington, D.C. 20231

INFORMATION DISCLOSURE STATEMENT

Sir:

Submitted herewith is an Information Disclosure Citation and copies of the documents listed therein.

Brief descriptions of the relevance of the documents are as follows:

Japan H7-41783

This relates to a polymeric lubricant rolling bearing in which the internal surface of the bearing is coated with paraffin wax or a high coefficient of viscosity lubricant oil or grease. The coefficient of viscosity is about 500cst at 40°C, so that it is difficult for water or dust to pass into the bearing even under severe operating conditions. Also, a solid lubricant composition which is obtained by mixing a lubricant grease with powder of ultrahigh molecular weight polyolefin is packed in the rolling bearing.

Japan H11-64772

This relates to a bearing used for a scanner motor of a polygonal mirror. The bearing causes fluctuation of torque to be lower and makes the torque lower. The bearing tends not to run out of oil and is of long life. The value of coefficient of viscosity of the lubricant oil for making torque lower is disclosed.

Japan 2000-104744

This relates to a rolling bearing that includes a metal ring that is packed with a solid lubricant composition which is obtained by mixing a lubricant grease with ultrahigh molecular weight polyolefin, supporting the grease lubricant so as to improve life of lubricant of the rolling bearing. Reference to the additives is made.

Respectfully submitted,

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